

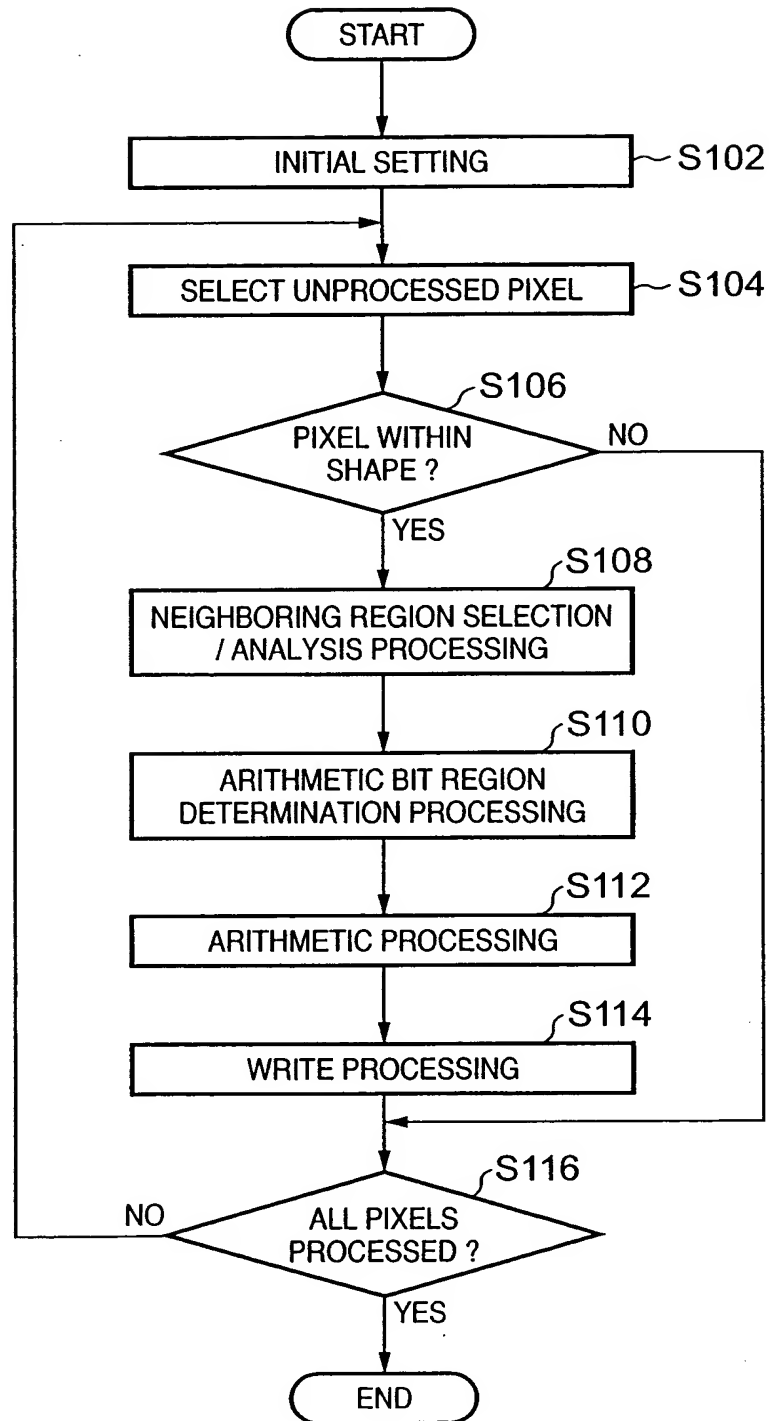
FIG. 1

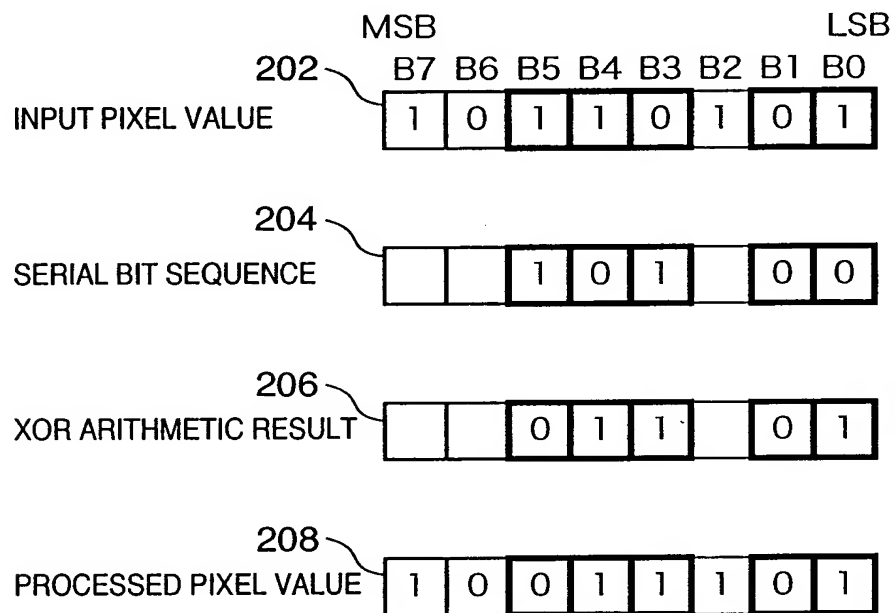
FIG. 2

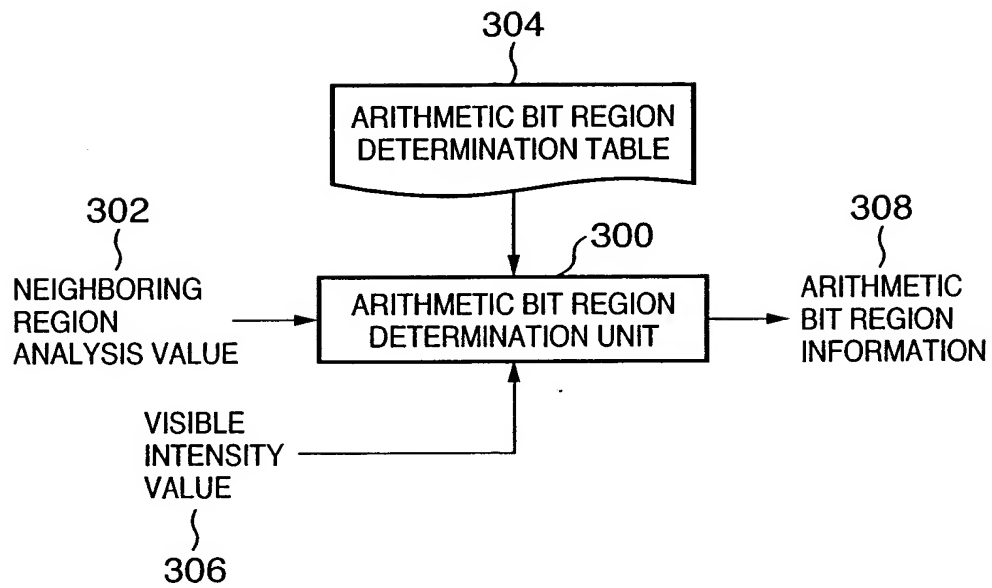
FIG. 3

Diagram illustrating a bit plane structure for visible intensity $S = 1$.

The structure is divided into three main regions:

- 401 NEIGHBORING REGION:** Contains pixel values (255, 254, ..., 112, ..., 1, 0).
- 402 ARITHMETIC BIT REGION:** Contains bits B7, B6, B5, B4, B3, B2, B1, B0.
- 403 MAXIMUM DIFFERENCE REGION:** Contains the maximum difference Δ_{\max} values (50, 50, ..., 26, ..., 2, 2).

The visible intensity $S = 1$ is indicated on the left side of the diagram.

FIG. 4B

NEIGHBORING REGION		ARITHMETIC BIT REGION									
PIXEL VALUE		B7	B6	B5	B4	B3	B2	B1	B0	Δ_{\max}	
VISIBLE INTENSITY S=2	255				Y	Y		Y		26	
	254				Y	Y		Y		26	
	
	112					Y	Y			12	
	
	1							Y		2	
	0							Y		2	

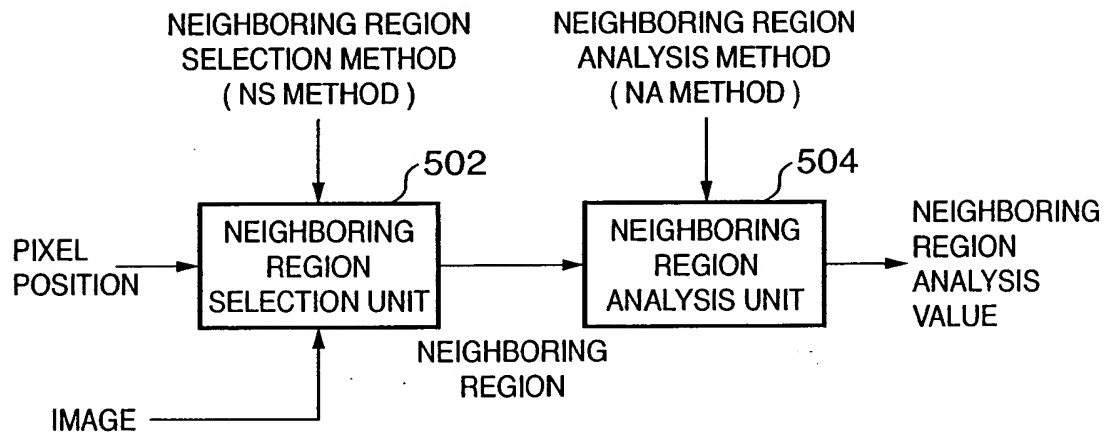
FIG. 5

FIG. 6

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<u>1a</u> 100	<u>2a</u> 104	<u>3a</u> 130	<u>4a</u>	<u>5a</u>
<u>6a</u> 115	<u>7a</u> 112	<u>8a</u> 120	<u>9a</u>	<u>10a</u>
<u>11a</u> 118	<u>12a</u> 112	<u>13a</u> 116	<u>14a</u> 114	<u>15a</u>
<u>16a</u>	<u>17a</u>	<u>18a</u>	<u>19a</u>	<u>20a</u>
<u>21a</u>	<u>22a</u>	<u>23a</u>	<u>24a</u>	<u>25a</u>



602

<u>1a</u> 100	<u>2a</u> 104	<u>3a</u> 130	<u>4a</u>	<u>5a</u>
<u>6a</u> 115	<u>7a</u> 112	<u>8a</u> 120	<u>9a</u>	<u>10a</u>
<u>11a</u> 118	<u>12a</u> 112	<u>13a</u> 126	<u>14a</u> 98	<u>15a</u>
<u>16a</u>	<u>17a</u>	<u>18a</u>	<u>19a</u>	<u>20a</u>
<u>21a</u>	<u>22a</u>	<u>23a</u>	<u>24a</u>	<u>25a</u>

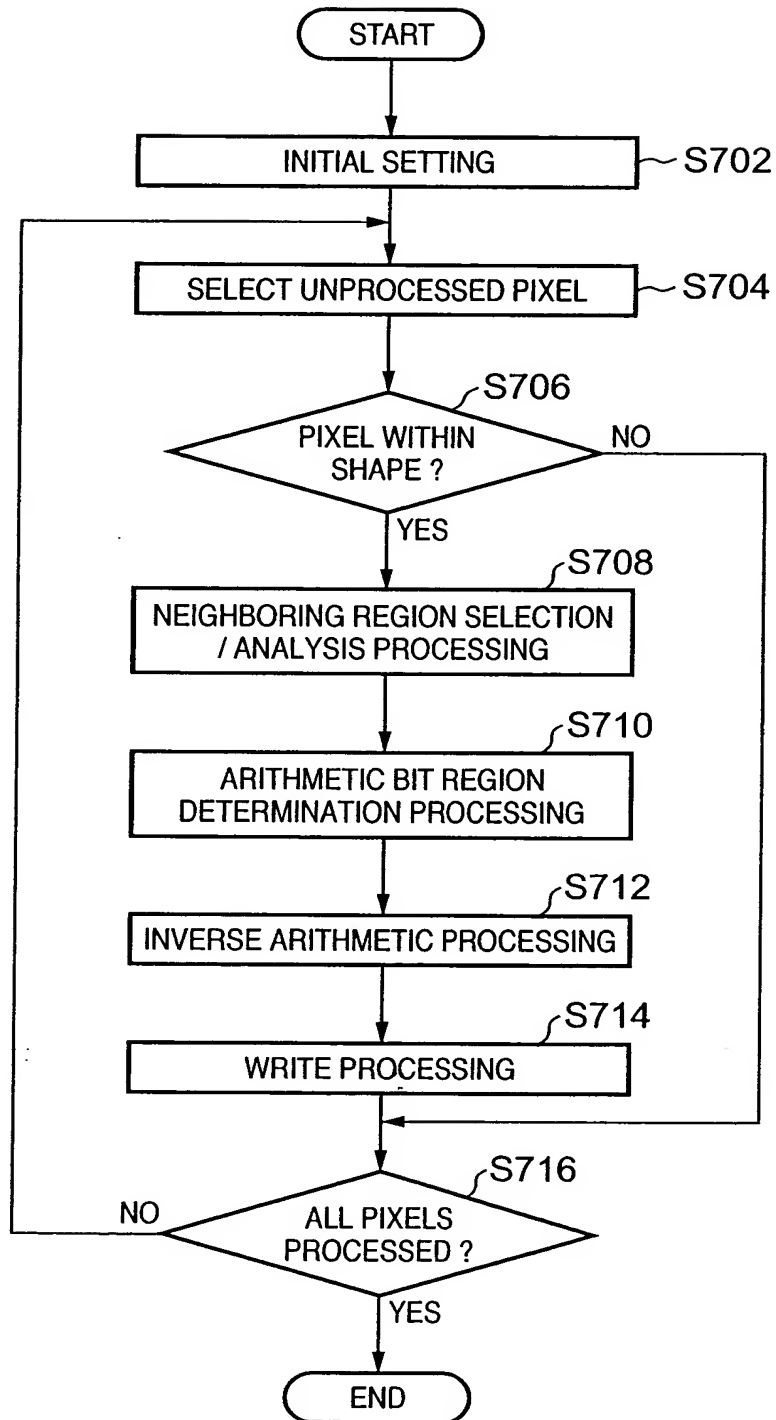
FIG. 7

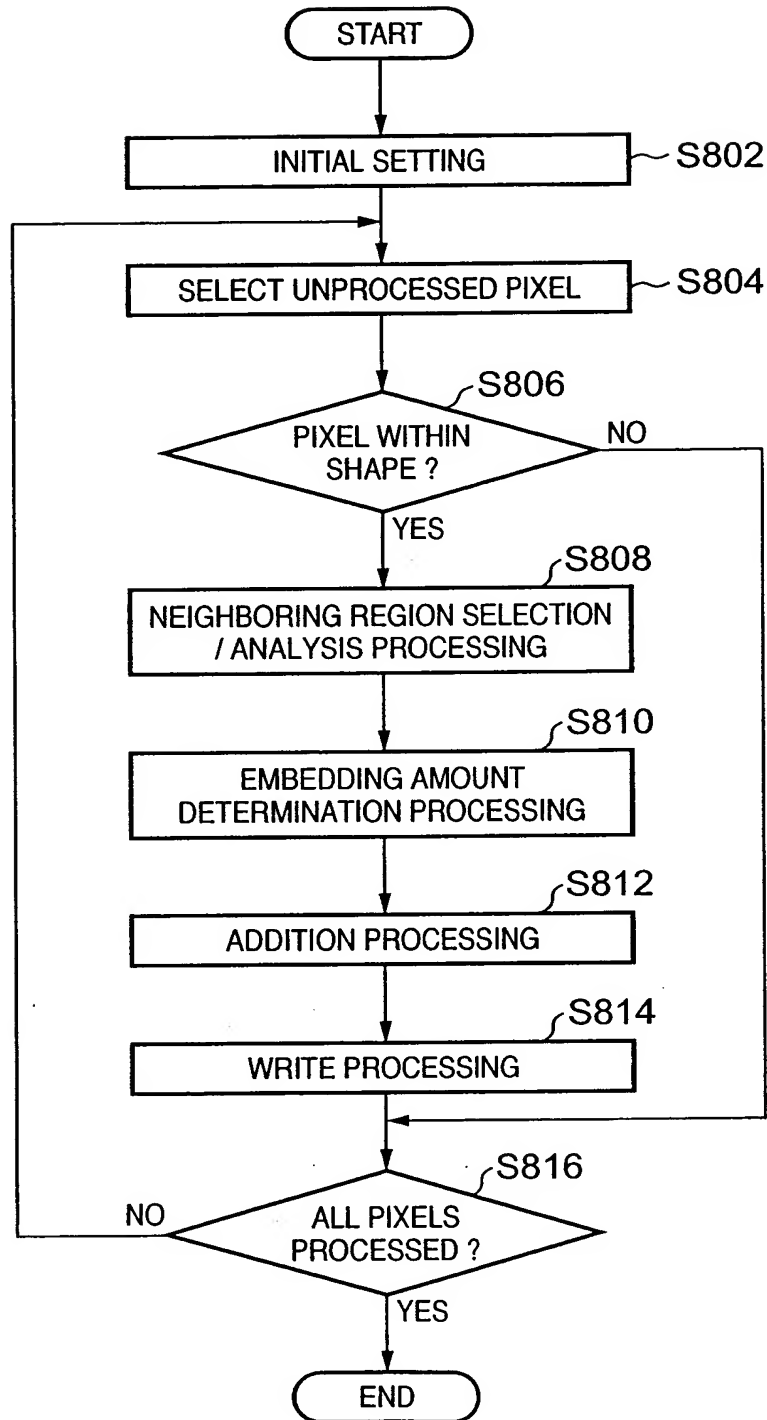
FIG. 8

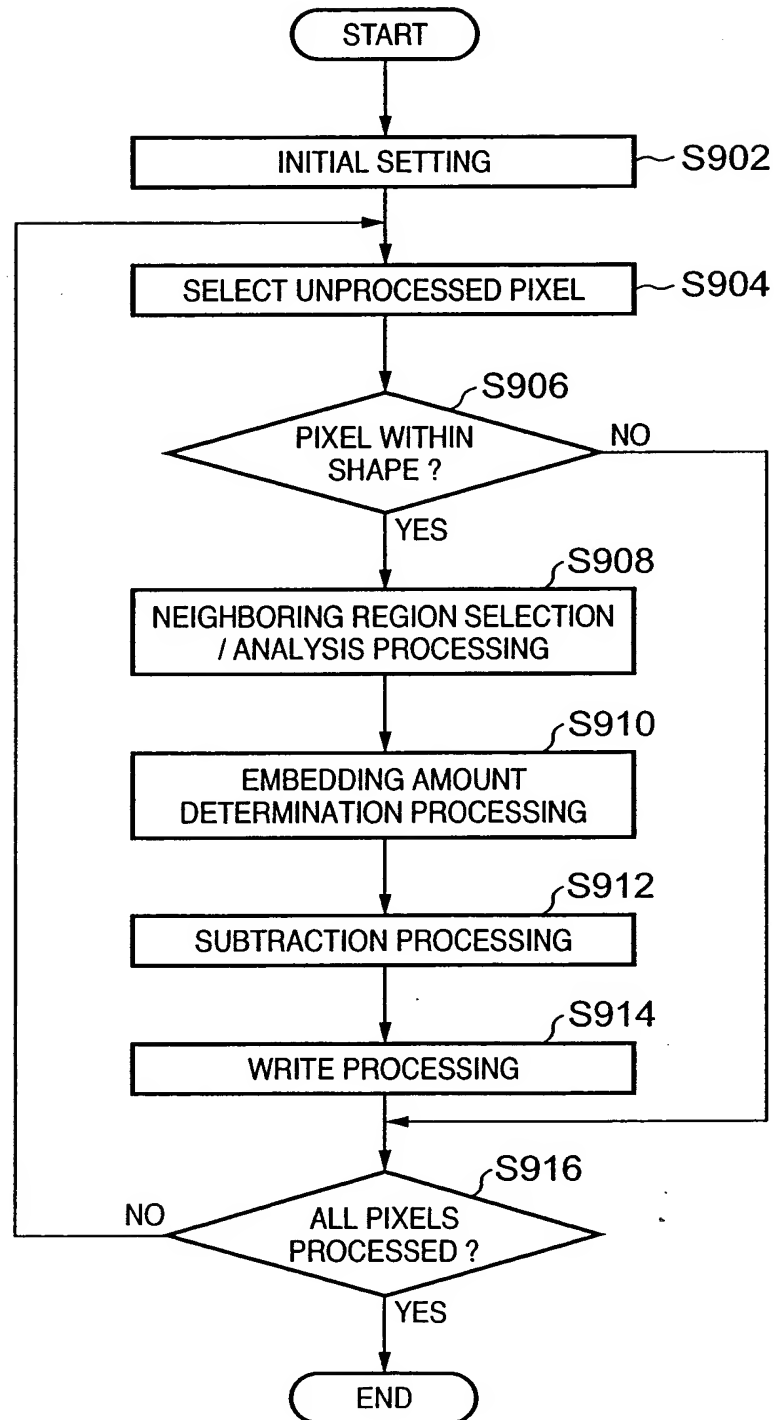
FIG. 9

FIG. 10

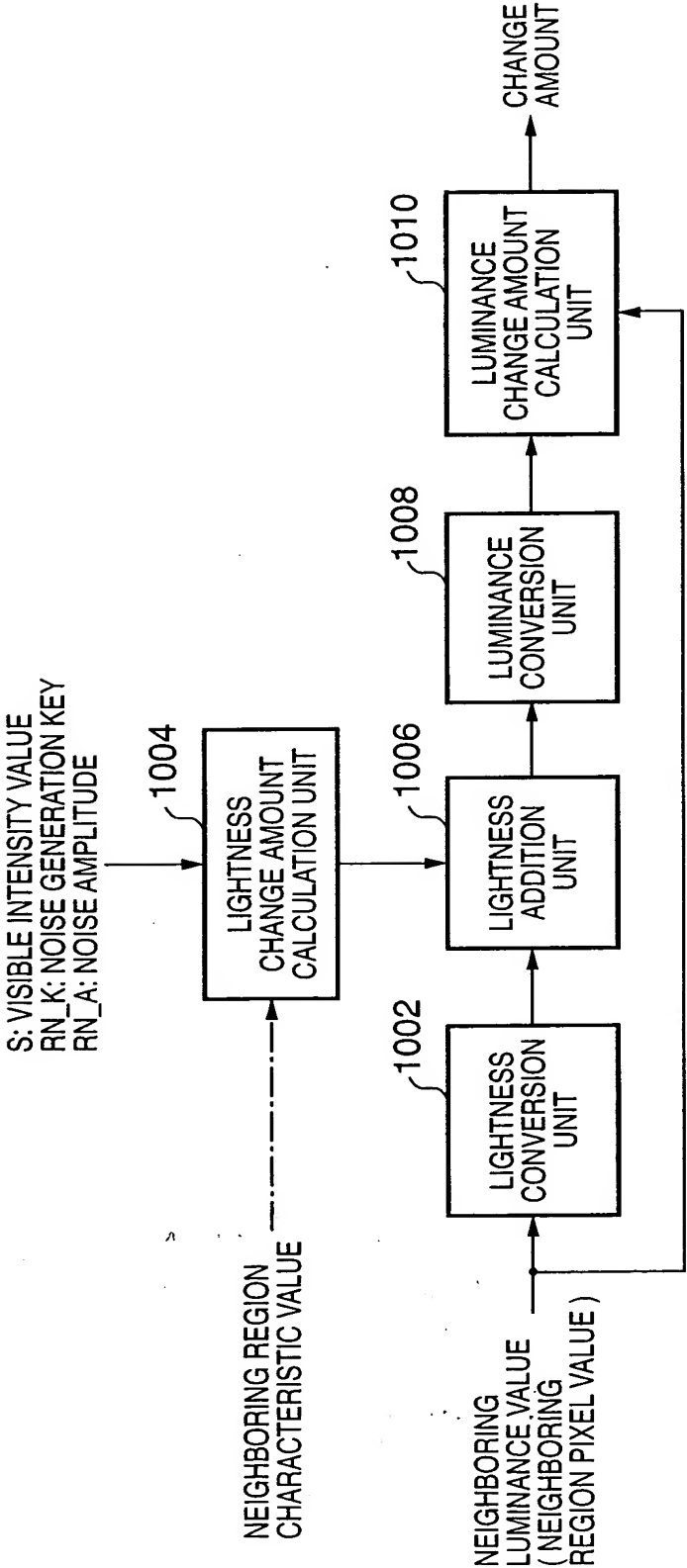


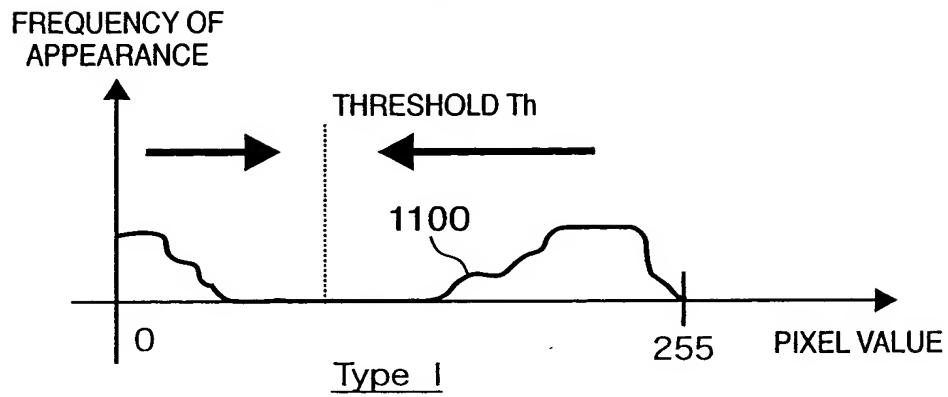
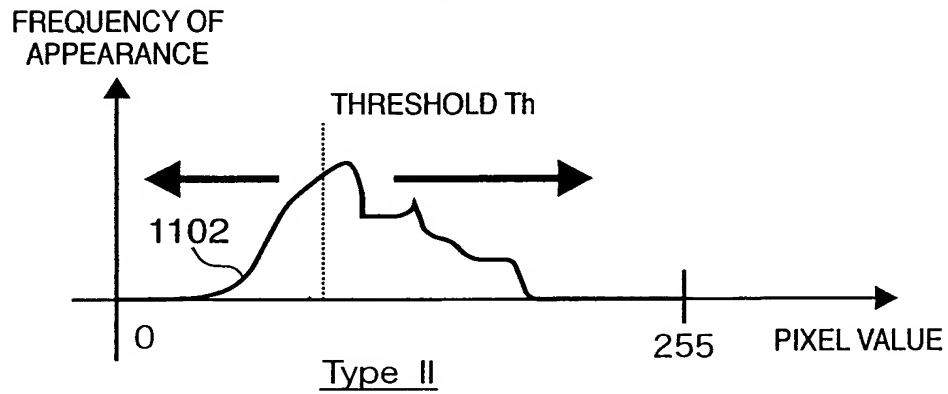
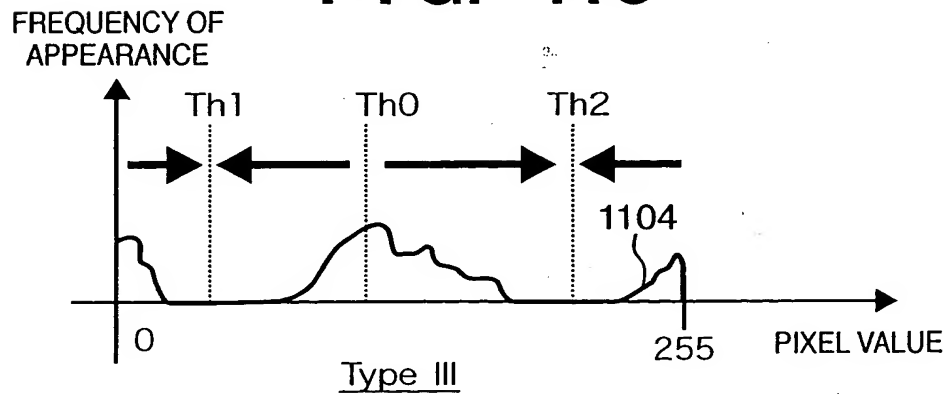
FIG. 11A**FIG. 11B****FIG. 11C**

FIG. 12

0	0	0	0	0	0	0	0
0	0	1	1	1	1	0	0
0	1	2	2	2	2	1	0
0	1	2	3	3	2	1	0
0	1	2	3	3	2	1	0
0	1	2	2	2	2	1	0
0	0	1	1	1	1	0	0
0	0	0	0	0	0	0	0

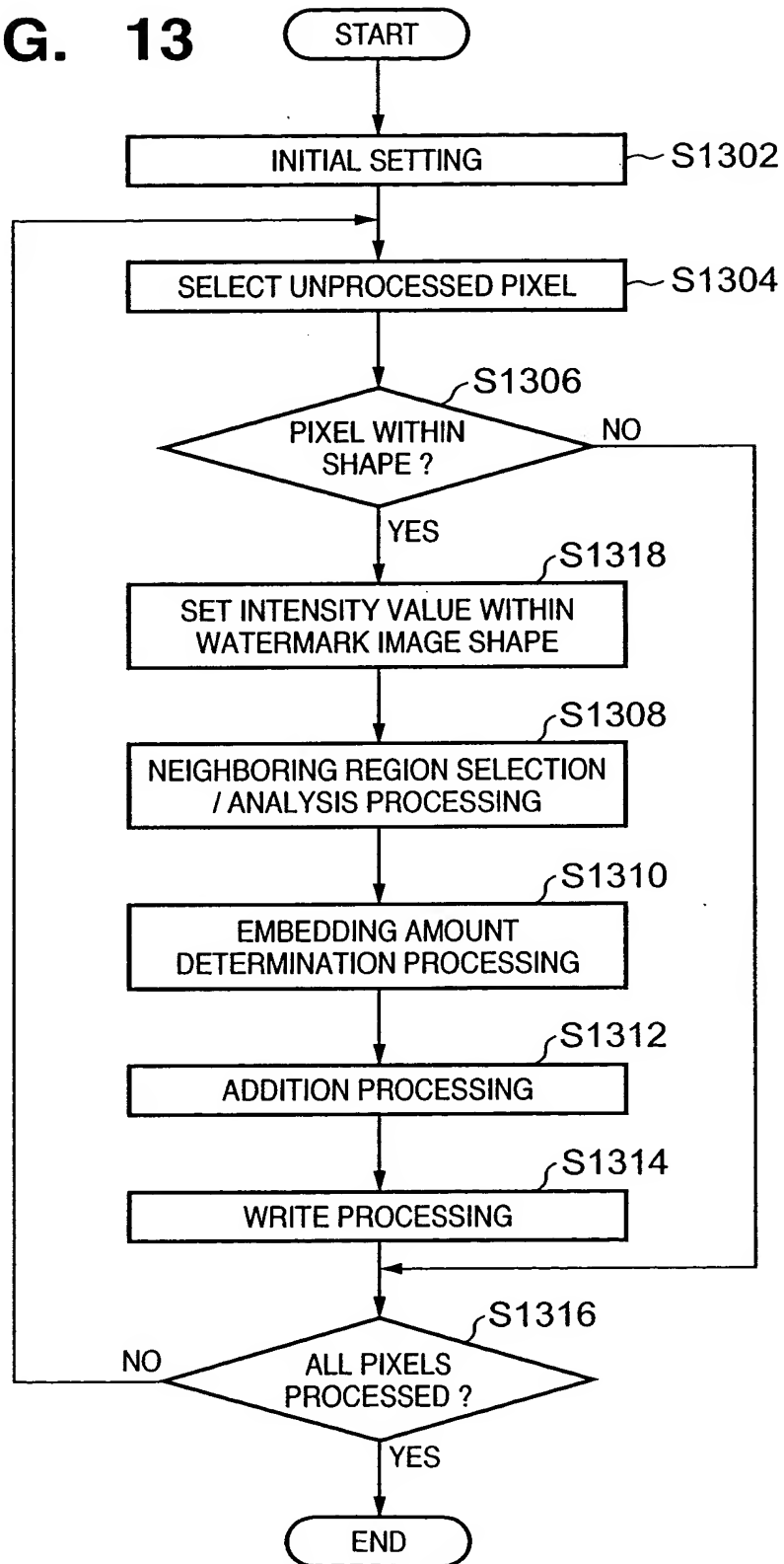
FIG. 13

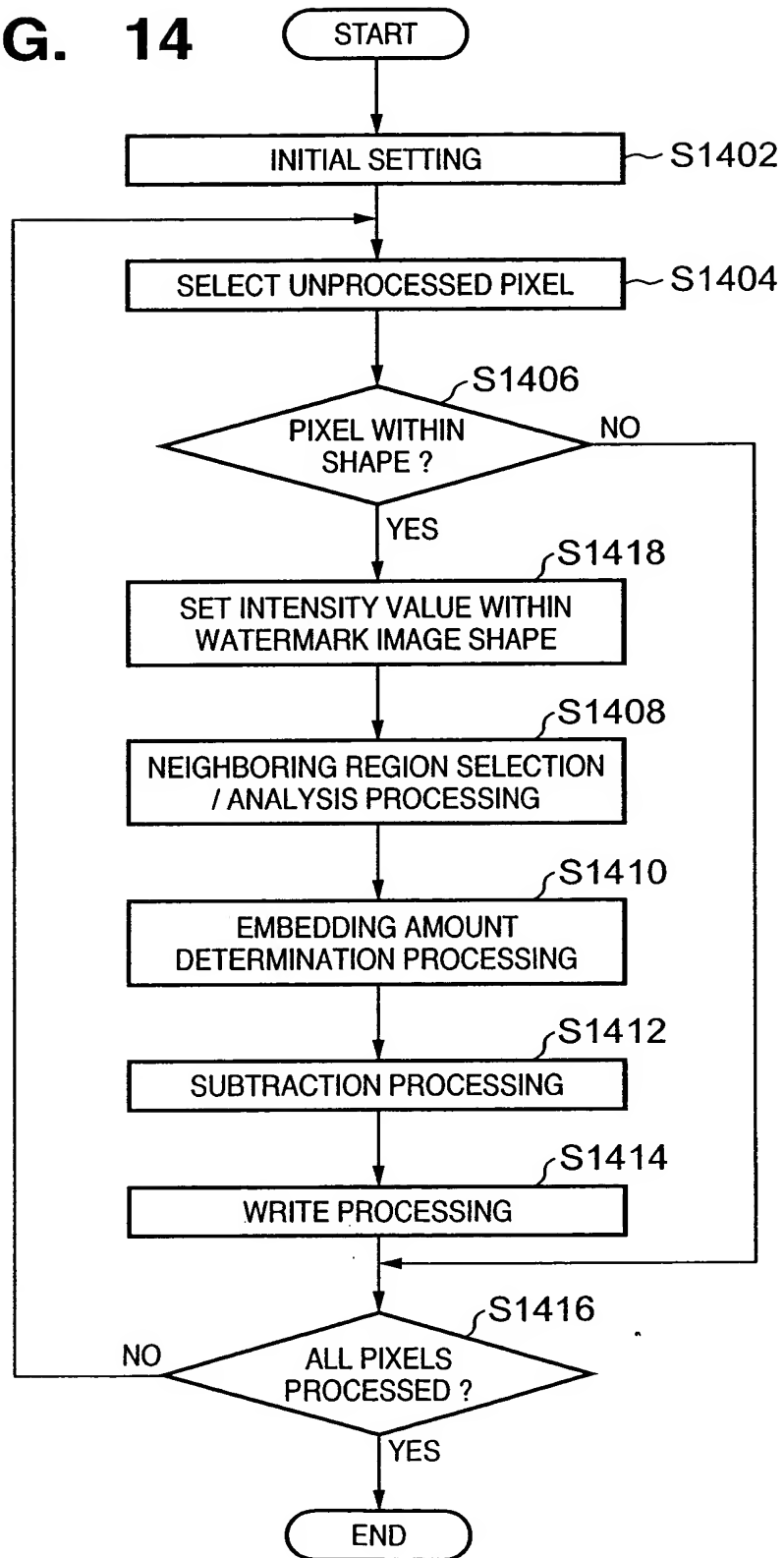
FIG. 14

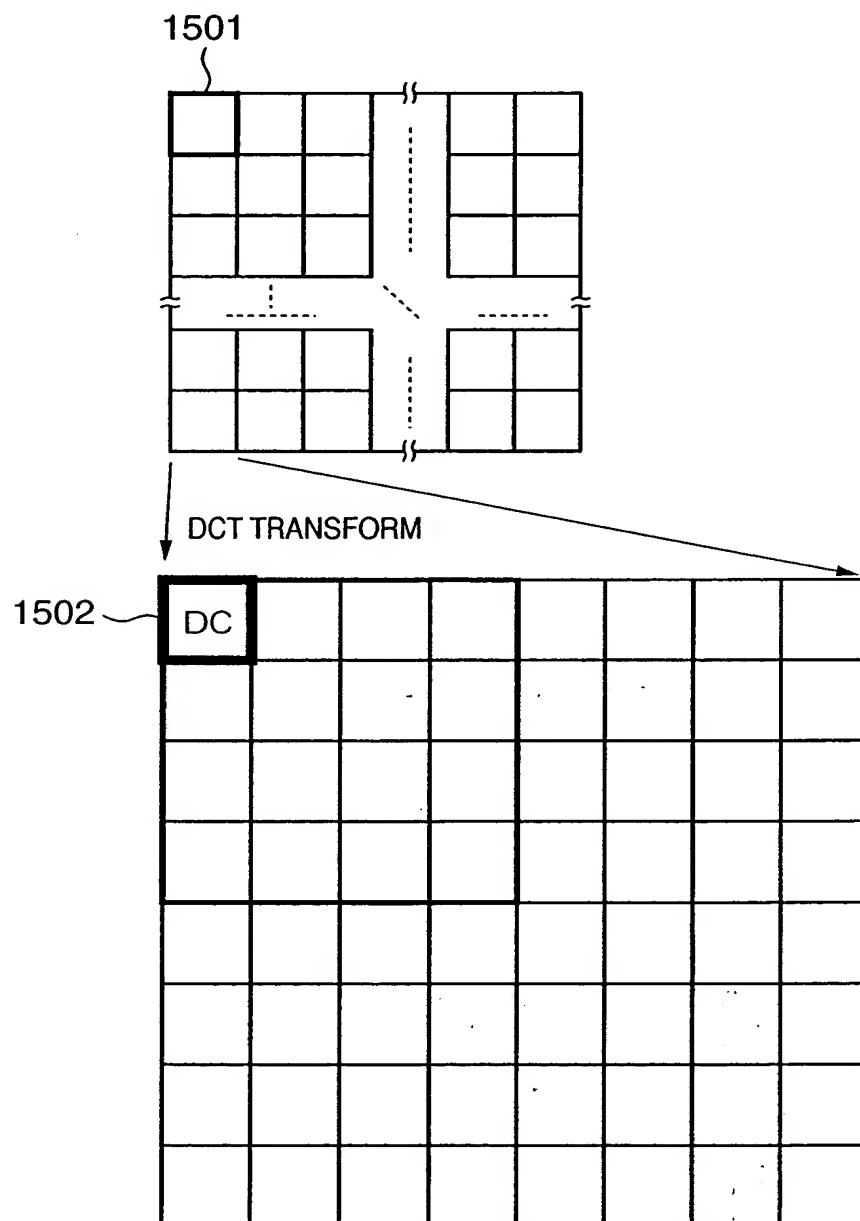
FIG. 15

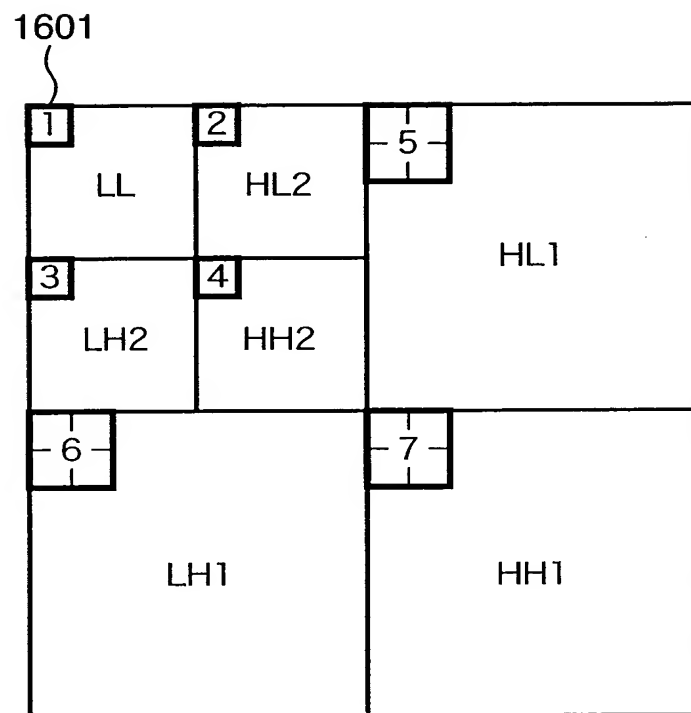
FIG. 16

FIG. 17

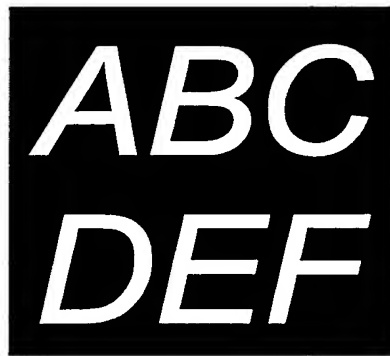


FIG. 18

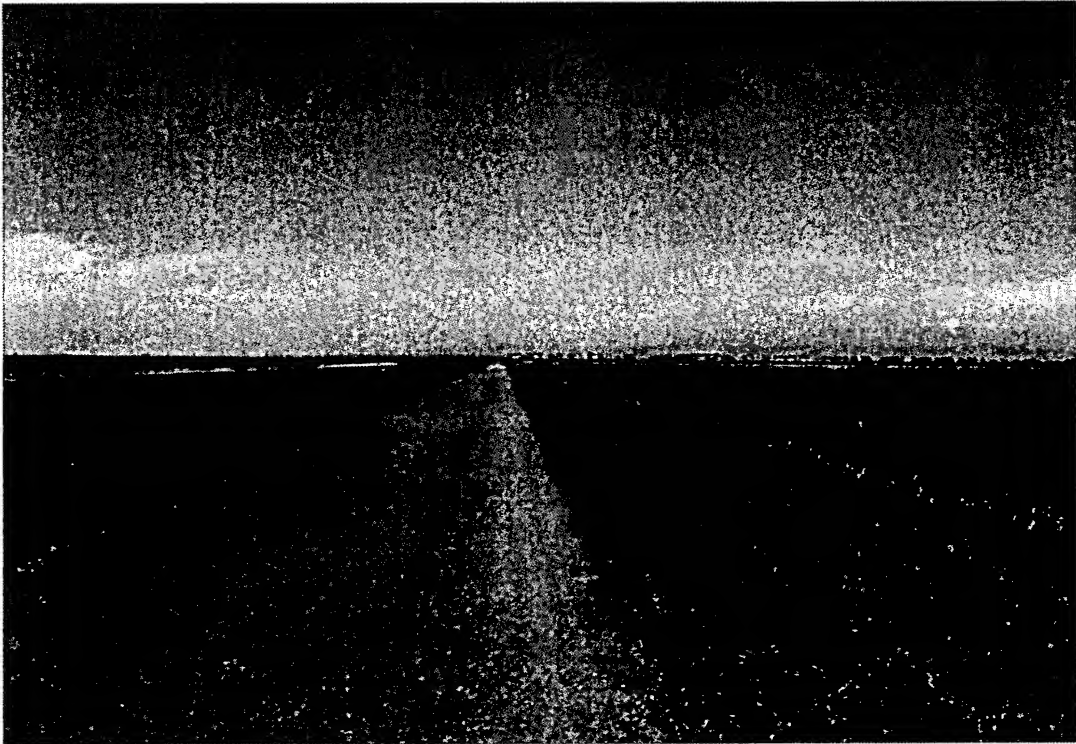


FIG. 19



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FIG. 20

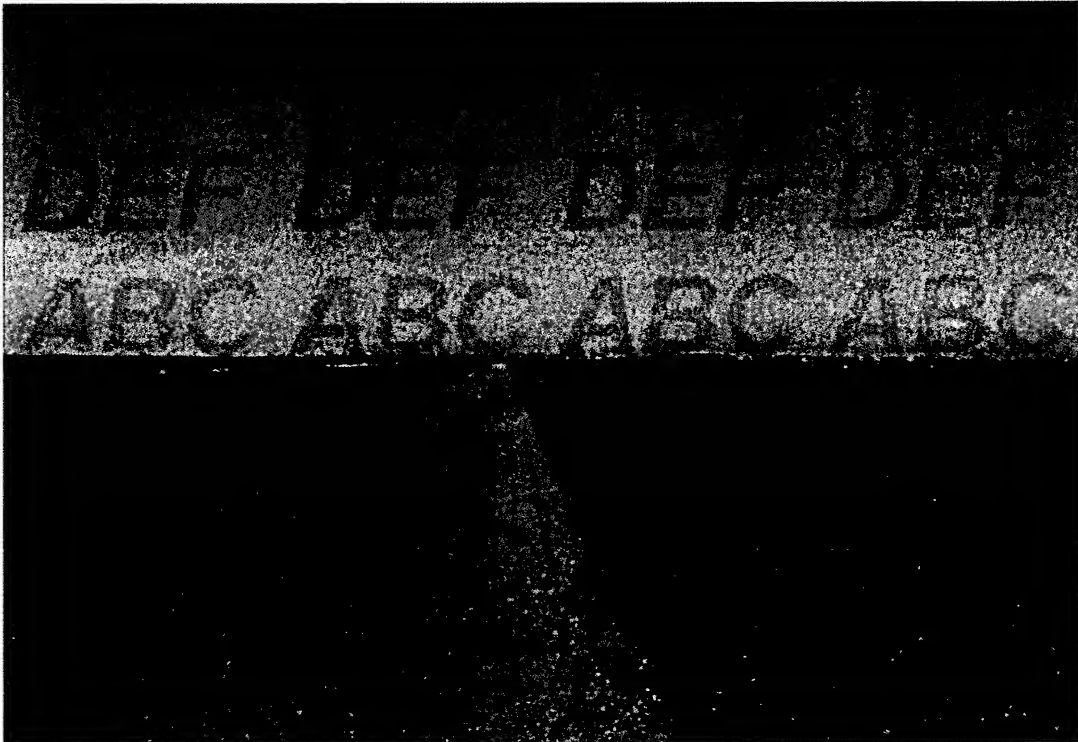


FIG. 21

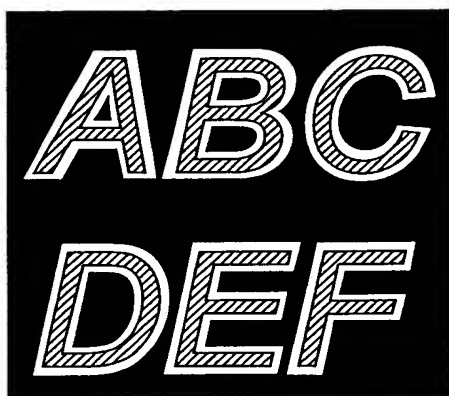


FIG. 22

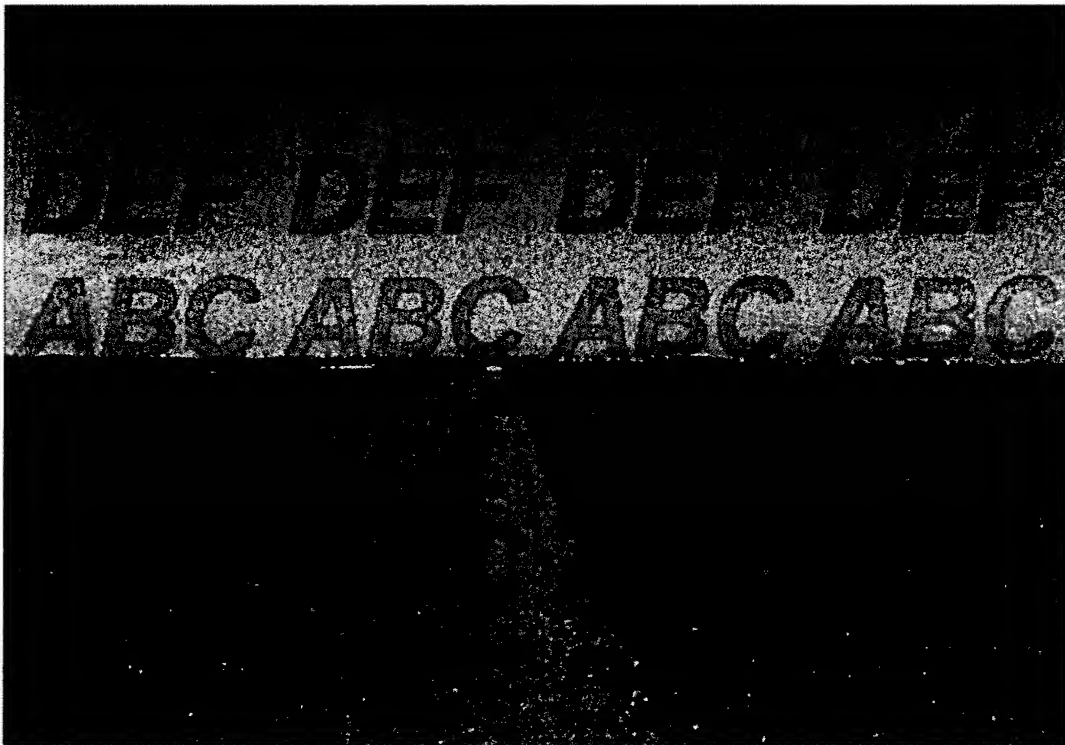


FIG. 23